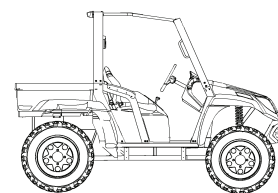


Arctic Cat® Prowler

Installation Instructions - Service Parts

Tie Rod Kit (p/n 0505-638)



■ **NOTE:** Read these Installation Instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

Application: All Prowler models

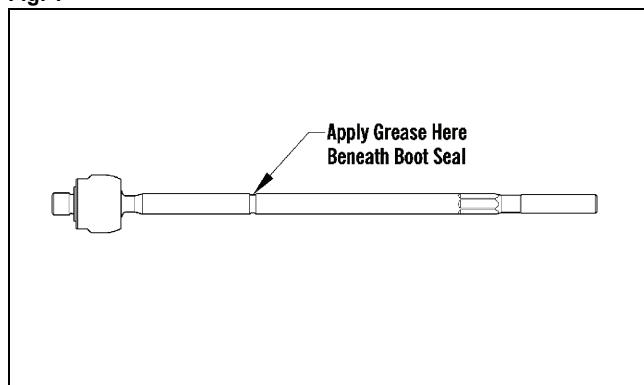
Kit includes:

p/n	QTY	DESCRIPTION
0405-393	1	Tie Rod End
0405-319	1	Tie Rod
0623-175	1	Cotter Pin
1423-007	1	Jam Nut
0405-237	1	Boot Clamp
0453-613	1	Instructions

■ **NOTE:** Refer to the appropriate ROV Service Manual for more specific instructions.

1. Remove and discard the existing tie rod, tie rod end, jam nut, boot clamp, and cotter pin. Retain boot and nut.
2. Install existing boot onto new Tie Rod.
3. Coat the threads with red Loctite #271; then install the tie rod into the rack. Using an appropriate crow-foot, tighten to 52 ft-lb.
4. Apply a coat of lithium-based grease beneath the boot seal in the groove in the shaft only; then secure the boot using new Boot Clamp and existing tie rod end clamp. Make sure boot rib is fully seated into the shaft groove. See Fig. 1.

Fig. 1

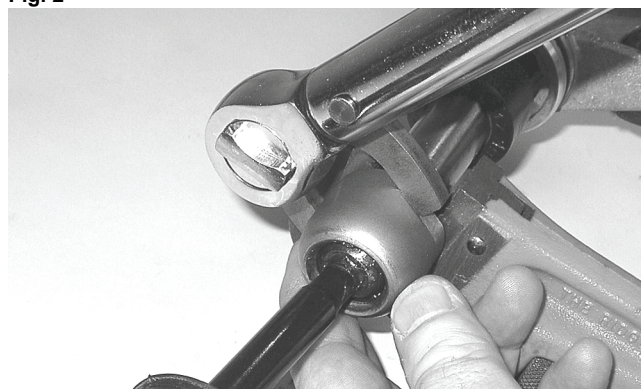


0744-838

■ **NOTE:** Always attach the crow-foot to the torque wrench with the open end 90° to the torque wrench handle to ensure accurate torque application. See Fig. 2.

■ **NOTE:** Grease must not be on the outside of the boot or along the tie rod.

Fig. 2



PR519

5. Install new Jam Nut onto the new tie rod with the threads away from the tie rod. See Fig. 3.

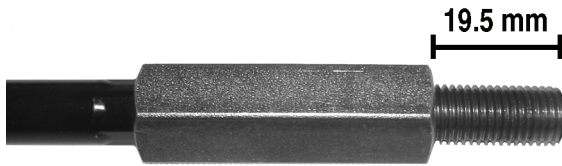
Fig. 3



UTV-100

■ **NOTE:** Install new jam nut onto tie rod end until there is 19.5 mm of thread showing. See Fig. 4.

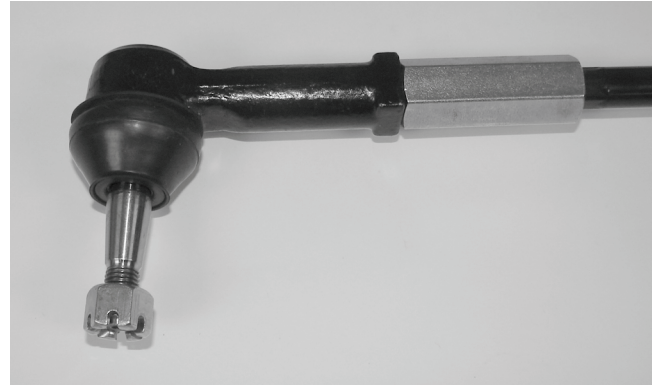
Fig. 4



UTV-102A

6. Install new Tie Rod End onto tie rod; then install the tie rod end into the steering knuckle and secure with existing castle nut and new Cotter Pin. Tighten to 30 ft-lb. If holes do not align, increase torque to align to nearest hole for cotter pin to be installed. See Fig. 5.

Fig. 5



UTV-101

7. Tighten new Jam Nut against the tie rod. Tighten to 21 ft-lb.
8. Check the steering system for full and free travel; then check and adjust the front wheel alignment (see Checking/Adjusting Front Wheel Alignment in Section 8 of the ROV Service Manual).

